

Patent Claims

1. A method for automatically producing web pages
5 (5), (6), (7) for client appliances (1), (2), (3) of different client type (A), (B), (C) and/or with different client properties, where the client appliances (1), (2), (3) communicate with a web server (4) using client requests (14), (16), (18) and server responses (15), (17), (19), and the web server (4) stores web pages (5), (6), (7), characterized in that
 - the web server (4) stores web components (24), (37), (38), (39), (40), (41), (42), (43), (44), (45),
 - the client requests (14), (16), (18) sent to the web server (4) are used to identify the client type (A), (B), (C) and the client properties of the client appliance (1), (2), (3),
 - the web components (24), (37), (38), (39), (40), (41), (42), (43), (44), (45) are instantiated on the basis of the properties of the client appliances (1), (2), (3),
 - the instantiated web components (24), (37), (38), (39), (40), (41), (42), (43), (44), (45) are used to produce representations of the requested web pages (5), (6), (7) and to transmit them to the client.
2. The method as claimed in claim 1, characterized in that the representations of the web pages (5), (6), (7) which (representations) are reduced by the web components (24), (37), (38), (39), (40), (41), (42), (43), (44), (45) are read, processed or displayed by the client appliances (1), (2), (3).
3. The method as claimed in claim 1 or 2,
35 characterized in that from the identified client properties of the respective client appliance (1), (2), (3) the web server (4) reads in or produces a profile

and the profile is used to ascertain the properties of the client appliances (1), (2), (3).

4. The method as claimed in one of the preceding
5 claims, characterized in that the web components (24),
(37), (38), (39), (40), (41), (42), (43), (44), (45)
are used to store server-end code and data for the web
pages (5), (6), (7).

10 5. The method as claimed in one of the preceding
claims, characterized in that the properties of the
client appliances (1), (2), (3) include browser type
and browser capabilities, properties of the displays
and of the input devices of the client appliances (1),
15 (2), (3).

20 6. The method as claimed in one of the preceding
claims, characterized in that the type (A), (B), (C)
ascertained in the web server (4) and the ascertained
properties of the client appliances (1), (2), (3) are
used to produce an individual session for the
respective client appliance (1), (2), (3), said session
being used to store a profile for the respective client
appliance (1), (2), (3).

25 7. The method as claimed in claim 6, characterized in
that the stored profiles of the client appliances (1,
2, 3) are used for further client requests (14), (16),
(18) to the web server (4) until the session on the web
server (4) is ended.

30 8. The method as claimed in one of claims 1 to 6,
characterized in that the profiles of the client
appliances (1), (2), (3) are stored in the URL or in
the form of cookies in the web page.

35 9. The method as claimed in one of the preceding
claims, characterized in that information about the

properties and about the type (A), (B), (C) of the respective client appliance (1), (2), (3) is entered into the profiles which the web server (4) automatically creates for the client appliances (1), (2), (3) from the file header of an HTTP request in an identification process.

10. The method as claimed in one of claims 1 to 8, characterized in that the client appliances (1), (2), (3) are identified using a special dialogue, with the web server (4) transmitting a configuration page to the client appliance (1), (2), (3), and the user of the client appliance (1), (2), (3) making a selection from a list of different client types (A), (B), (C).

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11. The method as claimed in one of claims 1 to 8, characterized in that the web server (4) returns an error page to the client appliance (1), (2), (3) or uses a standard profile for the client appliance (1), (2), (3) if the web server (4) is not able to identify the client appliance (1), (2), (3).

12. A system for automatically producing web pages (5), (6), (7) for client appliances (1), (2), (3) of 25 different client type (A), (B), (C) and/or with different client properties, where the client appliances (1), (2), (3) communicate with a web server (4) using client requests (14), (16), (18) and server responses (15), (17), (19), and the web server (4) stores web pages (5), (6), (7), characterized in that 30 the web pages (1), (2), (3) comprise web components (24), (37), (38), (39), (40), (41), (42), (43), (44), (45) for automatically producing representations of the web pages (5), (6), (7) for different client types (A), (B), (C) and different client properties of the client 35 appliances (1), (2), (3).

13. The system as claimed in claim 12, characterized in that the web server (4) uses the client requests (14), (16), (18) to produce the client type (A), (B), (C) and the client properties using the web component 5 (24), (37), (38), (39), (40), (41), (42), (43), (44), (45) associated with the respective client appliances (1), (2), (3), the page content of the web pages (5), (6), (7) creates.
- 10 14. The system as claimed in claim 12 or 13, characterized in that the client properties of the respective client are browser type and browser capabilities, properties of the displays and of the input devices of the client appliances (1), (2), (3).
- 15 15. The system as claimed in one of Claims 12 to 14, characterized in that the web server (4) returns the representation of the web pages (5), (6), (7) which (representation) is produced by the web components 20 (24), (37), (38), (39), (40), (41), (42), (43), (44), (45) to the respective client appliance (1), (2), (3) using the server responses (15), (17), (19).